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-- 31. The small footprint device of claim 30 in which at least two program modules can access said entry point object even though they are located in different respective name spaces.--

-- 32. The small footprint device of claim 1 in which said context barrier allocates separate memory spaces for each program module.--

-- 33. The small footprint device of claim 32 in which at least two program modules can access said entry point object even though they are located in different respective memory spaces.--

-- 34. The small footprint device of claim 1 in which said context barrier enforces security checks on at least one of a principal, an object and an action.--

-- 35. The small footprint device of claim 34 in which at least one security check is based on partial name agreement between a principal and an object.--

-- 36. The small footprint device of claim 35 in which at least one program can access said entry point object without said at least one security check.--

-- 37. The small footprint device of claim 34 in which at least one security check is based on memory space agreement between a principal and an object.--

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-- 38. The small footprint device of claim 37 in which at least one program can access said entry point object without said at least one security check.--

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-- 39. A method of operating a small footprint device, comprising the step of separating program modules using a context barrier and permitting access to information across the context barrier using an entry point object.--

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-- 40. The method of claim 39 in which the context barrier will not permit a principal to perform an action on an object unless both principal and object are part of the same context unless the request is for access to an entry point object.--

-- 41. A method of permitting access to information on a small footprint device from a first program module to a second program module separated by a context barrier, comprising the step of creating entry point object which may be accessed by at least two program modules.--

-- 42. A computer program product, comprising:
a. a memory medium; and
b. a computer controlling element comprising instructions for implementing a context barrier on a small footprint device and for bypassing said context barrier using an entry point object.--

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-- 43. The computer program product of claim 42 in which said medium is a carrier wave.--

-- 44. A computer program product, comprising:

a. a memory medium; and

b. a computer controlling element comprising instructions for separating a plurality of programs on a small footprint device by running them in respective contexts and for permitting one program to access information from another program by way of an entry point object.--

-- 45. The computer program product of claim 44 in which said medium is a carrier wave.--

-- 46. A carrier wave carrying instructions for implementing an entry point object for bypassing a context barrier on a small footprint device over a communications link.--

-- 47. A carrier wave carrying instructions over a communications link for separating a plurality of programs on a small footprint device by running them in respective contexts and for permitting one program to access information from another program using at least one entry point object.--

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48. A method of transmitting code over a network, comprising the step of transmitting a block of code from a server, said block of code comprising instructions for implementing an entry point object for bypassing a context barrier on a small footprint device over a communications link.--

49. The small footprint device of claim 1 in which said one other program module is a supercontext of said one program module.--

50. The small footprint device of claim 1 in which the processing element runs each program module as a separate context.--

51. The small footprint device of claim 1 in which at least one program module comprises a plurality of applets.--

52. The small footprint device of claim 1 in which said context barrier enforces security checks on at least one of a principal, an object and an action.--

53. The small footprint device of claim 52 in which at least one security check is based on partial name agreement between a principal and an object.--

54. The method of claim 40, in which, if a principal in a first context performs an action on an entry point object in a second context, when the action is performed it will execute within the second context.--